

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
AIR QUALITY TECHNICAL ADVISORY COMMITTEE MEETING

Thursday, February 14, 2002
MAG Office
Phoenix, Arizona

MEMBERS PRESENT

Stephen Cleveland, City of Goodyear, Chairman
Scottsdale: Larry Person
*Chandler: Jim Weiss
*Gilbert: Danielle Typinski
Glendale: Doug Kukino
Mesa: J. Collum Hunter for Christine Zielonka
Phoenix: Joe Gibbs for Gaye Knight
Tempe: Tom Moore
*Citizen Representative: Walter Bouchard
*Arizona Lung Association: David Feuerherd
Salt River Project: Chris Janick
Southwest Gas Corporation: Brian O'Donnell
Arizona Public Service Company: Jim Mikula for
Scott Davis
Western States Petroleum Association: Gina Grey
Valley Metro: Bryan Jungwirth
Arizona Motor Transport Association: Dave Berry
Maricopa County Farm Bureau: Jeannette Fish
*Arizona Rock Products Association:
Rusty Bowers
Greater Phoenix Chamber of Commerce: Heidi
Koopman

*Associated General Contractors: David Martin
*Homebuilders Association of Central Arizona:
Connie Wilhelm-Garcia
American Institute of Architects- Central Arizona:
H. Maynard Blumer
Valley Forward: Peter Allard
University of Arizona - Cooperative Extension:
Patrick Clay
Arizona Department of Transportation: Pat Cupell
Arizona Department of Environmental Quality:
Sherri Zendri for Peter Hyde
Maricopa County Environmental Services
Department: Jo Crumbaker
*Arizona Department of Weights and Measures: Mark
Ellery
Federal Highway Administration: Ed Stillings for
Dennis Mittelstedt
*Arizona State University: Judi Nelson
Salt River Pima-Maricopa Indian Community:
Debra Frein for B. Bobby Ramirez
*Citizen Representative: David Rueckert

*Those members were neither present nor represented by proxy.

OTHERS PRESENT

Cathy Arthur, Maricopa Association of
Governments
Dean Giles, Maricopa Association of
Governments
Roger Roy, Maricopa Association of Governments
Bryant Powell, City of Apache Junction
Paul Hollar, Citizen

Lindy Bauer, Maricopa Association of Governments
Charlie Stevens, Western States Petroleum
Association
Randy Redman, Arizona Department of
Environmental Quality
Bob Downing, Maricopa County Environmental
Services Department

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on February 14, 2002. Stephen Cleveland, City of Goodyear, Chairman, called the meeting to order at approximately 1:40 p.m.

2. Approval of the November 8, 2001 Meeting Minutes

The Committee reviewed the minutes from the November 8, 2001 meeting. Maynard Blumer, American Institute of Architects, moved, and Bryan Jungwirth, Valley Metro, seconded, and the motion to approve the November 8, 2001 meeting minutes carried unanimously.

3. EPA Action on the PM-10 Plan

Lindy Bauer, Maricopa Association of Governments, informed the Committee that on January 14, 2002, the Environmental Protection Agency took final action to approve the Revised MAG 1999 Serious Area Particulate Plan for PM-10 for the Maricopa County Nonattainment Area, including the request to extend the attainment date to December 31, 2006. A time line for Maricopa County Nonattainment Area State Implementation Plan Requirements was distributed to the Committee.

4. Tracking Measure Implementation

Jo Crumbaker, Maricopa County Environmental Services Department, presented an overview on tracking measure implementation. She indicated that the purpose of the Reasonable Further Progress Report is to track implementation and effectiveness of control measures in the State Implementation Plans. She noted the milestone date of December 31, 2001 and the importance of reporting measure implementation to the EPA.

Ms. Crumbaker mentioned that Maricopa County had developed a form to collect information on the implementation of control measures by the cities and towns. She distributed an example of the form used in 1997 to collect measure information. She also mentioned that the form had been developed in conjunction with a stakeholder process and that Maricopa County will conduct a new stakeholder process in the future.

Ms. Crumbaker indicated Maricopa County would be contacting the jurisdictions in the next two weeks about data reporting. She informed the Committee that the report is scheduled for completion in March 2002 and measures reported by the jurisdictions would include paving unpaved roads, alleys, and unpaved shoulders contained in the Revised Serious Area PM-10 Plan.

J. Collum Hunter, City of Mesa, inquired when the stakeholders meeting would occur. Ms. Crumbaker responded that it was planned for the Fall 2002. Ms. Crumbaker discussed placement of additional monitors at the Salt River monitor site for purposes of moving the Salt River monitor to another location. Dave Berry, Arizona Motor Transport Association, indicated his concerns with the placement of additional monitors. Ms. Crumbaker clarified that the study monitors used to

evaluate a replacement site for the Salt River monitor would not result in additional monitored sites. Mr. Cleveland indicated that an on-line data collection tool for tracking measure implementation should be explored for easier reporting by the jurisdictions. Joe Gibbs, City of Phoenix asked about the data format requirements for the Reasonable Further Progress Report. Ms. Crumbaker replied that the measures should be reported in generalized units and that she would check on this prior to contacting the jurisdictions. Mr. Blumer observed that most measures appeared to be business or personal related.

5. Air Quality Monitoring Data Update

Ms. Crumbaker presented a status report on Maricopa County air quality monitoring data through the year 2001. She distributed a handout with several charts illustrating the trend in concentrations and the number of exceedance days for carbon monoxide, ozone, and PM-10 in the Maricopa Nonattainment Areas.

Mr. Gibbs asked if the region was achieving the 8-Hour Ozone Standard. Ms. Crumbaker explained that the 8-Hour Ozone Standard was 0.08 parts per million and the regional average is currently at 0.085 parts per million. Mr. Berry requested an explanation of the abbreviations used in the graphs. Brian O'Donnell, Southwest Gas Corporation, questioned if earthmoving was still occurring in the Salt River area. Mr. Blumer asked if satellite mapping is being used. Ms. Crumbaker replied to all questions and that Landis was used for the last plan and that the Arizona Department of Environmental Quality has been using aerial photography on other projects. Ms. Crumbaker also mentioned that other efforts may be to alarm monitors for extemporaneous observations when high readings are occurring.

Tom Moore, City of Tempe, requested that copies of the slides without the Salt River monitor readings be made available and that a presentation on the Salt River monitor relocation be provided to the Committee. Ms. Crumbaker responded that she hopes to include the Salt River monitor relocation for a future agenda item. Mr. Blumer indicated he thought the data showed an optimistic view and asked if anything had been done to go beyond the current planning boundary to control fugitive dust. Ms. Crumbaker indicated that not all sites exceed the PM-10 standard and that only some monitors in the west and east exceed the standard. Mr. Cleveland requested that Ms. Crumbaker construct monitor readings on days with and without dust storms for comparison purposes.

Mr. Cleveland informed the Committee of the passing of Greg Witherspoon. He introduced Chris Janek as the new Salt River Project representative on the Committee. Mr. Moore recalled that Mr. Witherspoon did a excellent job for Salt River Project.

6. EPA MOBILE6 Emissions Model

Cathy Arthur, Maricopa Association of Governments, indicated that EPA officially released the MOBILE6 emissions model on January 29, 2002. She distributed a handout to the Committee illustrating the comparison between MOBILE5a and MOBILE6 in estimating carbon monoxide, volatile organic compounds, and nitrogen oxides emissions. The handout compared MOBILE5a and

MOBILE6 emissions overtime (2000-2025), with the inspection/maintenance program, by temperature, by speed, and with oxygenated fuels. Ms. Arthur informed the Committee that generally, MOBILE6 emissions are higher than MOBILE5a emissions for carbon monoxide and that MOBILE6 emissions are lower than MOBILE5a for volatile organic compounds and nitrogen oxides.

Mr. Berry inquired if MOBILE6 included Tier 2 tailpipe emission standards. Ms. Arthur responded that it did. Mr. O'Donnell inquired how the region could show attainment given the increase in emissions. Ms. Arthur indicated that there is a two-year grace period from the time MOBILE6 is officially released and the time that it needs to be used for transportation conformity purposes. The motor vehicle emissions budget in the carbon monoxide maintenance plan will need to be redone using MOBILE6.

Ms. Bauer indicated that it takes much less time for the EPA to find a budget adequate than the 18 months it would take to approve a new budget. She noted that using MOBILE6 now would ensure continuity in the transportation conformity process and emissions modeling would be consistent over time. Mr. Berry asked if MAG was using MOBILE6 for PM-10 emissions modeling. Ms. Arthur responded that PART5 was still the approved EPA model for estimating particulate emissions from onroad vehicles.

7. Draft FY 2003 MAG Unified Planning Work Program

Ms. Bauer provided an overview of the Air Quality Element of the MAG FY 2003 Unified Planning Work Program. She noted in general that the Unified Planning Work Program reflected a tight budget. Ms. Bauer first reviewed ongoing projects: Carbon Monoxide Maintenance Plan, Ozone Maintenance Plan, Regional Haze Planning, Conformity, Regional Emissions Analyses for Project Level Conformity, Emission Reduction Assessment for CMAQ Projects, Evaluation of PM-10 Street Sweeper Projects for CMAQ Funds, Maricopa County Trip Reduction Program, Valley Metro Rideshare Program, Valley Metro Telework, Distribution of the U.S. Department of Energy Grant for Dedicated Alternative Fuel Vehicles, and Air Quality Public Involvement.

Ms. Bauer reviewed the proposed new air quality projects: Ozone Flex Plan if Allowed by EPA, Updating the Motor Vehicle Emissions Budget in the Serious Area Particulate Plan for PM-10, Advance Planning to Address Issues in the Potential PM-10 Lawsuit, Compiling Data on Developments of Significance, Policy to Prohibit the Creation of New Unpaved Roads and If Necessary, Corresponding Legislation, and Technical Assistance to Support Air Quality Planning, If Necessary.

Doug Kukino, City of Glendale, asked if the policy on New Unpaved Roads included private unpaved roads. Ms. Bauer responded that the definition was wide open. Ms. Crumbaker indicated that the State law allows lot splits and that Maricopa County does not have Home Rule. Mr. O'Donnell indicated he did not understand why MAG would be involved. Mr. Blumer mentioned that the key word in the new project description is "prohibit" and offered the replacement words "restricting" or "regulating". Mr. Moore asked about the meaning of "Developments of Significance". Mr. Cleveland responded that "Developments of Significance" was not defined, but

concerned the impacts of planned land use development on transportation infrastructure. Mr. Moore suggested air quality reviews should include mitigation strategies.

8. Dust Control Video

In an introduction to the video, Ms. Crumbaker informed the Committee that the Maricopa County Dust Control Video has been under development for two years. The video is intended to educate contractors on measures to control dust at construction sites. The video addresses aspects of project phasing, wind barriers, restriction of access, pre-wetting, education strategies, and trackout control.

Mr. Blumer mentioned the application of the video to large projects and noted the need for educating contractors on small projects. Ms. Crumbaker indicated that the biggest challenge was getting dust control information to the contractors. The enforcement action has also received substantial attention. Mr. Blumer indicated that the construction bid needs to contain the cost of dust control compliance.

9. Legislative Update

Ms. Bauer provided an update of proposed air quality legislation to the Committee. She indicated staff was monitoring HB 2045 - Vehicle Emissions Testing Exemptions, HB 2501 - Emissions Testing Motorcycles, HB 2560 - Air Quality Fund; Control Measures, and HB 2585 - Air Quality Regional Haze Program. Ms. Bauer indicated that HB 2585 is a concern to MAG and staff will continue evaluating the bill.

10. Air Quality Planning Timeline Update

Ms. Arthur presented an overview of the Tentative MAG Air Quality Project Schedule. She indicated that the schedules for the Carbon Monoxide Maintenance Plan and Ozone Maintenance Plan have changed due to the use of the MOBILE6 emissions model. Ms. Arthur mentioned a planning schedule for the PM-10 Budget Revision has been provided.

Mr. Moore asked if the timing for the submittal and evaluation of Congestion Mitigation and Air Quality Improvement Projects and PM-10 Efficient Street Sweepers could be staggered. Ms. Arthur responded that it is possible the same local government staff could be involved in the project submissions and that this could create a hardship. She noted that MAG staff would look into the schedule. Mr. Gibbs noted that the current street sweeper schedule did not correspond well with the municipal budgeting process and that he would like to see the process moved forward.

Mr. O'Donnell asked why MAG would wait two years to submit the ozone maintenance plan since there is a risk in waiting for the EPA redesignation of the area to attainment status. Ms. Arthur responded that EPA has indicated that the MOBILE6 emissions model needs to be used and the domain boundary must be expanded. Mr. Cleveland requested that Mr. O'Donnell and Ms. Arthur review the time schedule for the Ozone Maintenance Plan. Ms. Bauer added that the expansion of the modeling domain and the addition of one more episode day is the biggest cause for the additional time. Mr. Blumer commented that when the public encounters a street sweeper on the street, no

distinction can be made between a conventional and PM-10 efficient unit. Mr. Blumer requested that jurisdictions publicize PM-10 Efficient Street Sweepers.

11. Call to the Public

Paul Hollar, Gilbert citizen, addressed the Committee regarding the development and implementation of a comprehensive strategy to address the urban heat island. He called on the Air Quality Technical Advisory Committee to educate the public, educate those that directly impact urban planning, develop a regional testing plan, and seek grants for funding urban heat island projects.

Mr. Cleveland requested a copy of Mr. Hollar's written comments for the record.

12. Call for Future Agenda Items

Mr. Cleveland indicated the next meeting of the Committee is tentatively scheduled for March 14, 2002, if necessary. Mr. Cleveland mentioned that during the MAG Regional Governance Task Force and Advisory Committee, the Air Quality Technical Advisory Committee was mentioned as the model of true private-public partnership. He said that through this partnership, we all gain a better appreciation of common threads.